

Dear **SBIC members, colleagues and friends,**

Welcome to the 2023.03 edition of our quarterly newsletter published by the Society of Biological Inorganic Chemistry (SBIC), which aims to keep you up to date with important developments in our society, award deadlines and other opportunities we are supporting! We provide you in this newsletter with the latest information from your society, and we hope that you will continue to support or join SBIC as a new member. We would also like to invite you to pass the newsletter on to your students and colleagues and if you have news to share, please get in touch.

This was ICBIC20 in Adelaide!

The 444 participants at the 20th International Conference on Biological Inorganic Chemistry were blessed with a week of (rare) beautiful Adelaide July weather. The conference was held in parallel with the meeting of the Inorganic Division of the Royal Australian Chemical Institute and the scientific program included 7 plenary lectures, 3 award lectures (including the SBIC early career award lectures from Tim Storr and Liviu Mirica), 56 keynotes and 108 invited lectures, across as many as six parallel sessions. Some highlights included the presentation of the RACI Burrows Award to Prof. Christian Hartinger and his accompanying lecture, a special session and dinner celebrating the 50 year Jubilee of the Journal of Inorganic Biochemistry, an all-day Nitrogenase and Molybdenum enzyme session sponsored by the CSIRO, and the "OzBIC" career celebration event which recognised the longstanding contributions of four recently retired members of the Australian BIC community - Sue Berners-Price, Trevor Hambley, Peter Lay and Tony Wedd. Several delegates reported multiple wild koala sightings from their free Wednesday afternoon excursions! The organisers would like to thank SBIC for the generous support in the form of 25 student travel bursaries, acknowledge the South Australian government for significant financial support, as well as sponsors and exhibitors, and of course thank all the delegates for coming so far and contributing to a very stimulating scientific program.

Hugh Harris

on behalf of the ICBIC20 Organizing Committee



Biographical Memoir of Allen Hill

Many of you will remember H. Allen O. Hill (1937-2021) and his major contributions to the establishment of bioinorganic chemistry as an academic discipline.

Allen initiated Chemical Society/Royal Society of Chemistry Specialist Periodical Reports on Inorganic Biochemistry (1979-82), and was Co-editor-in-chief of the Journal of Inorganic Biochemistry from 1979-96.

He was a professor in the inorganic chemistry laboratory at the University of Oxford. The lab bears a Blue Plaque commemorating the development (with Tony Cass and Graham Davis) of the glucose sensor, which provided for the first time an electronic (amperometric) determination of glucose levels in blood, used by millions of diabetics worldwide. Their key discovery was that organometallic ferrocene derivatives can mediate electron transfer from enzymes such as glucose oxidase to an electrode.



H. A. O. Hill

Details of this development, and Allen's wider career and interests, are available online as a [Royal Society Biographical Memoir](#).

Peter J. Sadler

Department of Chemistry, University of Warwick

New Content in the Educational Resources Section Alert

Check out the new content on 'Metals in Medicine' and 'Metal Ion Homeostasis' on the SBIC webpage. You will have to log into the members section and you will find the uploaded videos under 'Members-only content'.

We encourage you to visit our [educational resources webpage](#) where we have accumulated links to important pedagogical information and lectures to aid in teaching inorganic and bioinorganic chemistry. We will be uploading new content to this area over the next year which includes for example advanced lectures on metalloprotein design. If you are an SBIC member, you also have access to members-only content which is continuously growing. Follow this [link](#)!

Congratulations

We are keen to profile the success of our SBIC members and highlight recent awards and accolades. If you have received an award or know of someone who has received recognition for their work, please **email the information to [Christian Hartinger](#) or tag SBIC on Facebook or Twitter (X) posts**. Great to see how many bioinorganic chemists are recognized for the hard work and achievements – congratulations everyone!

Hideki Hashimoto (Kwansei Gakuin University) was awarded the Otto Isler Prize by the International Carotenoid Society (ICS).

Christian Hartinger (University of Auckland) is the recipient of the ISBOMC Award for Outstanding Achievements in Research in Bioorganometallic Chemistry.

Marty Bollinger (PSU) received the 2023 Abeles and Jencks Award for the Chemistry of Biological Processes.

Maxie Roessler (Imperial College) won the Imperial College President's Medal for outstanding early career research.

Jaqueline Barton (Caltech) is the winner of the 2023 Robert A. Welch Award in Chemistry.

Gilles Gasser (École Nationale Supérieure de Chimie de Paris, PSL University) is the recipient of the Prix DCC 2023 of the Division of Coordination Chemistry of the French Chemical Society.

Stephen Koch (Stony Brook University) received the ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry.

Frank Neese (Max Planck Institute for Kohlenforschung) won the ACS Award in Inorganic Chemistry. And last but not least, **Chris Chang** (University of California, Berkeley) is the recipient of the Alfred Bader Award in Bioinorganic or Bioorganic Chemistry.



Hideki Hashimoto
Kwansei Gakuin
University



Marty Bollinger
PSU



Christian Hartinger
University of Auckland



Maxie Roessler
Imperial College



Jaqueline Barton
Caltech



Gilles Gasser
l'École Nationale
Supérieure de
Chimie de Paris



Stephen Koch
Stony Brook
University



Chris Chang
University of
California, Berkeley



Frank Neese
Max Planck Institute
for Kohlenforschung

Call for a JBIC Cover Art for 2024

JBIC is running a “JBIC Cover Competition” again throughout 2023: Corresponding authors of any paper published in JBIC in 2023 are invited and encouraged to make a suggestion for a cool JBIC cover art. The winning cover art will be shown on the cover of JBIC throughout 2023 (*i.e.* on eight issues of our journal), completely free of cost for the authors! The only condition is that the corresponding author is a member of SBIC. For suggestions and further information, please get in touch with JBIC Editor-in-Chief Nils Metzler-Nolte (jbic-eic@rub.de).

Deadline: November 30, 2023.

JBIC is looking forward to receiving your designs – so get creative everyone!



Journal of Biological Inorganic Chemistry (JBIC) highlights

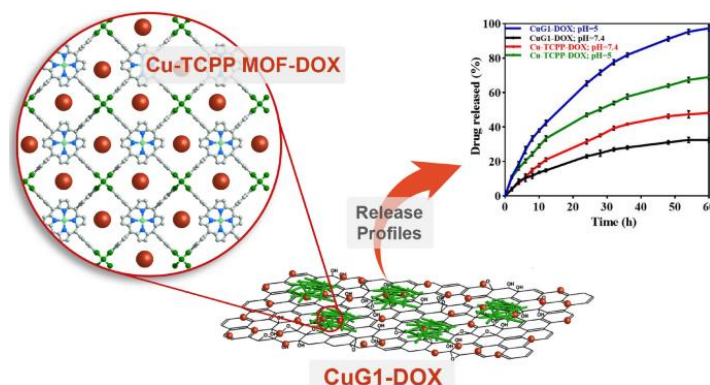
JBIC is the well-reputed journal of our society. Nils Metzler-Nolte is the Editor-in-Chief and in this role serves as a member of the SBIC Council. Nils always welcomes manuscripts with high impact results for publication in our journal. By submission of impactful articles to JBIC you demonstrate your active support of SBIC, our global learned society, regardless of whether you are a member of SBIC or not!

Here are some of the paper highlights recently published in JBIC and their full text is available free of charge for the next months. These articles have been selected by the journal Editor-in-Chief for their exceptional interest to members of the biological inorganic chemistry scientific community.

Zahra Gharehdaghi, Rahmatollah Rahimi, Seyed Morteza Naghib, Fatemeh Molaabasi

[Cu\(II\)-porphyrin metal-organic framework/graphene oxide: synthesis, characterization, and application as a pH-responsive drug carrier for breast cancer treatment](#)

A multifunctional graphene oxide / Cu(II)-porphyrin MOF nanocomposite comprised of Cu-TCPP MOF supported on graphene oxide (GO) nanosheets releases 97% of its doxorubicin load at pH 5.



Seyed Mojtaba Mashmoul Moghadam, Mona Alibolandi, Maryam Babaei, Jafar Mosafer, Amir Sh. Saljooghi, Mohammad Ramezani

Fabrication of deferasirox-decorated aptamer-targeted superparamagnetic iron oxide nanoparticles (SPION) as a therapeutic and magnetic resonance imaging agent in cancer therapy

The imaging capability and tumor-inhibiting effect of these multimodal nanomaterials loaded with the Fe chelator deferasirox was investigated in cellular systems and up to mouse models.

For your diary: Upcoming conferences supported by SBIC

- International Symposium on Bioorganometallic Chemistry (ISBOMC21), September 18-21, 2023, Braunschweig, Germany. (<https://isbomc23.itubs.de>)
- 13th International Vanadium Symposium, Lisbon, Portugal, November 22-24, 2023. (<https://vanadium13.events.chemistry.pt>)
- 6th Symposium on Advanced Biological Inorganic Chemistry (SABIC), Kolkata, India, January 7-11, 2024. (<https://sabic2024.wixsite.com/my-site-1?s=09>)
- 9th EuChemS Congress, Dublin, Ireland, July 7-11, 2024. (<https://euchems2024.org/>)
- EuroBIC-17, Muenster, Germany, August 25-29, 2024.
- AsBIC 11, Guilin, China, December 1-5, 2024.
- ICBIC-21, Long Beach, CA, July 26-31, 2025.
- ICBIC-22, York, UK, 2027.
- ICBIC-23, Jeju Island, South Korea, 2029.

Call for applications for conference support

SBIC financially supports international meetings on subjects related to Biological Inorganic Chemistry organized by members of our society. At many of these conferences, SBIC members will pay special, discounted registration fees and students and early career members may be eligible for travel awards.

In order to be eligible for conference support, the conference organizers need to be SBIC members. Applications need to be sent to the SBIC Treasurer [Charles G. Riordan](#). Please include a detailed conference program. Diversity in gender, age, race, ethnicity, geography, and research topics covering a broad range of biological inorganic chemistry is a prerequisite to obtain SBIC funding. Adequate representation from underrepresented groups, including women for Plenary and Keynote lectures in particular, and the program in general, must be demonstrated. A maximum of 2,000 US\$ for conferences or 3,000 US\$ for student workshops will be granted to non-BIC conferences. All SBIC financial support is exclusively given out as SBIC travel bursaries to be awarded to young researchers (PhD students and postdocs), being SBIC members, and the financial support by SBIC must be acknowledged.

For ICBIC, AsBIC, EuroBIC and LaBIC, special funding rules apply. Please contact the SBIC Treasurer [Charles G. Riordan](#) for details.

National meetings and those organized by national chemical societies are not eligible for SBIC support, including Pacificchem Symposia.

DEADLINES for applications: March 1 and October 1 each year.

Stay in touch with SBIC: Follow us on our Social Media channels!

You have been included in this mailing list as a current member of the society or because you have attended a conference of the BIC series (ICBIC, EuroBIC, AsBIC, LABIC). If you would prefer not to receive this information, please let us know and we will remove your email address from the distribution list. If you would like to receive the latest SBIC news on your social media feeds, like us on Facebook <https://www.facebook.com/officialSBIC/>, or follow us on Twitter <https://twitter.com/sbicofficial/>. If you would like to advertise your events or anything biological inorganic chemistry-related, please email [Christian Hartinger](#) with all the relevant information.

